

Title (en)

ARRANGEMENT WITH A TRANSMISSION AND WITH A WORK MACHINE, AND SIMULATION METHOD

Title (de)

ANORDNUNG MIT EINEM GETRIEBE UND EINER ARBEITSMASCHINE, VERFAHREN ZUR SIMULATION

Title (fr)

AGENCEMENT DOTÉ D'UNE TRANSMISSION ET D'UNE MACHINE DE TRAVAIL, ET PROCÉDÉ DE SIMULATION

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Application

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Abstract (en)

[origin: WO2022090187A1] The invention relates to an arrangement (ARG) comprising a drive-side transmission (GER) with an output shaft (SHB) of the transmission (GER), which output shaft (SHB) extends along an axis (X), and comprising a work machine (WMS) with a drive shaft (SHN) connected rigidly in terms of rotation to the output shaft (SHB). To improve stability and in order to save space, it is proposed that the transmission (GER) is supported on the work machine (WMS) with regard to at least 90% of the forces generated during operation by means of the connection of the output shaft (SHB) to the drive shaft (SHN) and by means of a torque support (TSP), wherein the connection of the output shaft (SHB) to the drive shaft (SHN) is configured to be flexurally rigid for the purposes of supporting transverse forces, wherein the axial end of the drive shaft (SHN) is configured as a hollow shaft (HLW), wherein the axial end of the output shaft (SHB) has a stub (STP) that is arranged at least partially in the hollow shaft (HLW) of the drive shaft (SHN).

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